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MONOGRAPH

OF THE

WASHINGTON

NATIONAL MONUMENT

AND

DEDICATORY CEREMONIES, FEBRUARY 21, 1885.



ONLY AUTHORIZED EDITION.

EDITED BY

F. L. HARVEY, Jr.,

Secretary Joint Commission, Completion of the Washington Monument.

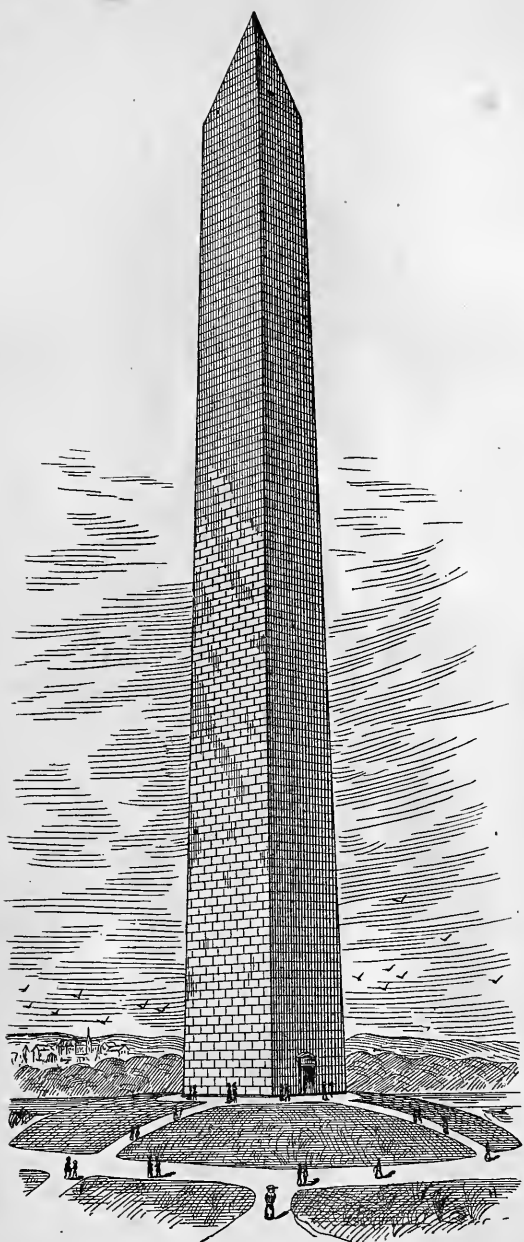
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WASHINGTON NATIONAL MONUMENT.

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MONOGRAPH

OF THE

Washington National Monument.

Dedicatory Ceremonies, February 21, 1885.

HISTORICAL NOTE.

CONCISE DESCRIPTION OF THE MONUMENT.

DATA OF THE GREAT WORK.

MEMORIAL BLOCKS PRESENTED FOR INSERTION IN THE
INTERIOR WALLS OF THE SHAFT.

INSCRIPTIONS ON APEX AND CORNER-STONE PLATE.

DEPOSITS OF JULY 4TH, 1848.

MEMBERSHIP OF THE WASHINGTON NATIONAL MONUMENT
SOCIETY, 1833 TO 1885.

Comparative Heights of the Most Remarkable
Structures of Ancient or Modern Times.

F. L. HARVEY, Jr.,

Secretary Joint Commission, Completion of the Washington Monument.

AUTHORIZED EDITION.

JUDD & DETWEILER,

Printers and Publishers.



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AUTHORIZED EDITION.

M. M. Coociran

*Chairman Joint Commission,
Completion Washington Monument.*

Horatio King

Secretary Washington National Monument Society.

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Entered according to act of Congress, in the year 1885, by F. L. HARVEY, Jr., in the
office of the Librarian of Congress, at Washington.

ORDER OF PROCEEDINGS

ADOPTED BY THE CONGRESSIONAL COMMISSION

FOR THE

DEDICATION

OF THE

Washington Monument,

FEBRUARY 21, 1885.

DEDICATION OF MONUMENT.

THE CEREMONIES AT THE BASE OF THE MONUMENT WILL COMMENCE
PRECISELY AT ELEVEN O'CLOCK.

1. The Hon. JOHN SHERMAN, a Senator from Ohio, Chairman of the Commission authorized by the Joint Resolution of May 13, 1884, will preside.
-

2. MUSIC.

3. PRAYER by the Rev. Mr. SUTER, of Christ Church, Alexandria, Va.
-

4. REMARKS by W. W. CORCORAN, Esq., the First Vice-President of the Washington National Monument Society.
-

- 5 MASONIC CEREMONIES by the GRAND LODGE of the District of Columbia.

6. REMARKS by Colonel T. L. CASEY, the Engineer of the Joint Commission, delivering the Monument to the President of the United States.
-

7. DEDICATION OF THE MONUMENT to the Name and Memory of GEORGE WASHINGTON by the PRESIDENT of the United States.
-

8. *MUSIC.*

THE procession will forthwith be formed, and will move to the Capitol by the following route: Through the President's square to Seventeenth street, up Seventeenth street to Pennsylvania avenue, thence along Pennsylvania avenue to the Capitol, where it will be reviewed by the President of the United States from a stand at the East front.

9. AFTER THE REVIEW THE PROCESSION WILL BE DISMISSED.
-

When the procession begins to move salutes of one hundred guns will be fired at the Navy Yard, the Artillery headquarters, and Fort Myer.

ORDER OF PROCESSION.

LIEUTENANT-GENERAL P. H. SHERIDAN, MARSHAL OF THE DAY.
with a Chief of Staff, and an Aid from every State and Territory.

The Military Escort.

CONSISTING OF THE REGULAR FORCES OF THE ARMY AND NAVY.

CHARTERED MILITARY ORGANIZATIONS,
taking precedence by the dates of their charters.

OTHER MILITARY ORGANIZATIONS.

The Civic Procession.

CONGRESSIONAL COMMISSION.

THE ORATORS AND CHAPLAINS OF THE DAY.

THE WASHINGTON NATIONAL MONUMENT SOCIETY.

MEMBERS AND EX-MEMBERS OF THE JOINT COMMISSION FOR THE COMPLETION OF THE MONUMENT.

THE ENGINEER OF THE MONUMENT, HIS ASSISTANTS,
AND DETAIL OF WORKMEN.

THE PRESIDENT OF THE UNITED STATES.

MEMBERS OF THE CABINET.

PRESIDENT AND VICE-PRESIDENT ELECT OF THE UNITED STATES.

EX-PRESIDENTS OF THE UNITED STATES.

JUDGES OF THE SUPREME COURT AND OTHER FEDERAL COURTS.

THE DIPLOMATIC CORPS.

GOVERNORS OF STATES, AND THEIR RESPECTIVE STAFFS,
taking precedence in the order of admission of their States into the Union.

THE SENATE.

THE HOUSE OF REPRESENTATIVES.

THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA.

OFFICERS OF THE ARMY AND NAVY.

THE SOCIETY OF THE CINCINNATI.

THE MASONIC FRATERNITY,
with other organizations which have made contributions for the erection of the Monument.

CITIZENS OF STATES AND TERRITORIES,
and civic organizations without partisan flags or emblems, each State and Territory taking precedence in the order of its admission into the Union.

THE FIRE DEPARTMENT OF THE DISTRICT OF COLUMBIA, AND
VISITING FIREMEN.

IN the Evening, from 8 to 9 o'clock, there will be a display of
Fireworks near the Monument.

ORDER OF ARRANGEMENTS

AT THE

CAPITOL.

The Capitol will be closed on the morning of the 21st to all except the members and officers of Congress.

At eleven o'clock the east door leading to the Rotunda will be opened to those to whom invitations have been extended under the joint resolution of Congress, and to those holding tickets of admission to the floor of the House and its galleries.

The floor of the House of Representatives will be opened for the admission of Senators and Representatives, and to those having invitations thereto, who will be conducted to the seats assigned to them.

The President, the President-elect, the Vice-President-elect, and ex-Presidents of the United States and special guests will be seated in front of the Speaker.

The Chief Justice and Associate Justices of the Supreme Court will occupy seats next to the President and ex-Presidents and special guests, on the right of the Speaker.

The Cabinet officers, the Admiral of the Navy, the Lieutenant-General of the Army, and the officers of the Army and Navy who, by name, have received the thanks of Congress, will occupy seats on the left of the Speaker.

The Chief Justice and Judges of the Court of Claims and the Chief Justice and Associate Justices of the Supreme

Court of the District of Columbia will occupy seats directly in rear of the Supreme Court.

The Diplomatic Corps will occupy the front row of seats.

Ex-Vice-Presidents, Senators, and ex-Senators will occupy seats on the second, third, fourth, and fifth rows, on east side of main aisle.

Representatives will occupy seats on west side of main aisle, and in rear of the Senators on east side.

Commissioners of the District, Governors of States and Territories, general officers of the Society of the Cincinnati, the Washington National Monument Society, members and ex-members of the Joint Commission for the completion of the Monument, Engineers of Monument and detail of workmen, and guests invited to the floor, will occupy seats in rear of Representatives.

The Executive Gallery will be reserved exclusively for the families of the Supreme Court and the families of the Cabinet and the invited guests of the President. Tickets thereto will be delivered to the Private Secretary of the President.

The Diplomatic Gallery will be reserved exclusively for the families of the members of the Diplomatic Corps. Tickets thereto will be delivered to the Secretary of State.

The Reporters' Gallery will be reserved exclusively for the use of the reporters of the Press. Tickets thereto will be delivered to the Press Committee.

The Official Reporters of the Senate and of the House will occupy the Reporters' desk in front of the Clerk's table.

The Marine Band will be in attendance.

Upon the arrival of the Procession at the Capitol, and immediately after passing the reviewing stand, the Members of the Senate will proceed to the Senate Chamber; the

Members of the House to the Hall of the House; the Judiciary to the Supreme Court Room.

The Diplomatic Corps will proceed to the Senators' Withdrawing Room; the President, ex-Presidents, the Cabinet, the President-elect, the Vice-President-elect, to the President's Room.

The House being in session, and notification to that effect having been given to the Senate, the Senate in a body, preceded by the President, ex-Presidents, the Cabinet, the President-elect, the Vice-President-elect, the Judiciary, and Diplomatic Corps, will be conducted to the Hall of the House of Representatives.

The President of the Senate will occupy the Speaker's chair and will preside.

The Speaker of the House will occupy a seat at the left of the President of the Senate.

The other officers of the Senate and of the House will occupy seats on the floor at the right and the left of the Speaker.

The Architect of the Capitol, the Sergeant-at-Arms of the Senate, the Sergeant-at-Arms and the Doorkeeper of the House are charged with the execution of these arrangements.



PROCEEDINGS

IN THE

Hall of the House of Representatives.

PRAYER will be offered by the Rev. S. A. WALLIS of Pohick Church,
near Mount Vernon, Virginia.

MUSIC.

ORATION by the Hon. ROBERT C. WINTHROP, of Massachusetts, read
by the Hon. JOHN D. LONG, a Representative from Massachusetts.

MUSIC.

ORATION by the Hon. JOHN W. DANIEL, of Virginia.

THE BENEDICTION will then be pronounced by the Rev. JOHN S.
LINDSAY, Chaplain of the House of Representatives.

MUSIC.

During which the assemblage will disperse.

HISTORICAL NOTE.

On the 7th of August, 1783, the Continental Congress unanimously resolved (ten States being present)—

“That an equestrian statue of General Washington be erected at the place where the residence of Congress shall be established in honor of George Washington, the illustrious Commander-in-chief of the Armies of the United States of America during the war which vindicated and secured their liberty, sovereignty, and independence.”

At his death a joint committee of both Houses of Congress was appointed to consider a suitable manner of paying honor to his memory. On December 24th, 1799, it was resolved by Congress—

“That a marble monument be erected by the United States at the city of Washington, and that the family of General Washington be requested to permit his body to be deposited under it, and that the monument be so designed as to commemorate the great events of his military and political life.”

Mrs. Washington acceded to the request, but the resolution was not executed.

On the 8th of May, 1800, a select committee of the House of Representatives submitted resolutions directing that the resolution of Congress of 1783 be carried *into execution*, as well as the resolution of 1799. That part referring to the resolution of 1783 was amended to require a *mausoleum* for George Washington to be instead erected, and for this purpose, later, a bill passed the House of Representatives, January 1st, 1801, appropriating \$200,000, but the Senate did not concur.

The resolutions above mentioned remaining unexecuted by Congress, in 1833 some citizens of Washington formed a

voluntary association for "erecting a great national monument to the memory of Washington at the seat of the Federal Government." This was the original idea of Congress, and because there appeared little probability of carrying it out this organization was formed. The progress of the Society at first was slow, for the reason that, in order that *all* might give, the contributions were limited to one dollar; but the restriction was afterwards removed.

Having, by 1848, accumulated sufficient funds to justify the Society in commencing work, on the 4th of July that year the corner-stone was laid with imposing ceremonies. Work progressed steadily until 1855, when it was suspended for lack of funds. Congress was memorialized, but without result. The shaft had attained a height of 152 feet above the floor. Subsequently 4 feet were added, which addition, however, was removed, in 1880, prior to resumption of work on the shaft.

The advent of the war a few years later interfered with the public interest in the work, and during that period and subsequently the shaft remained as left in 1855. The funds of the Society were but little augmented, though every effort was made to acquire the money requisite to complete the work. At last, in 1876, Congress passed an act appropriating \$200,000 to continue the construction of the Monument, and, supplementary appropriations being annually made, the shaft was finally declared finished on the 6th of December, 1884. The strengthening of the foundations, and the practical construction of the shaft, was accomplished by Colonel Thos. Lincoln Casey, Corps of Engineers, engineer in charge, detailed under the joint commission constituted by the act of August 2d, 1876, to supervise the erection of the Monument.*

* See page 80.

WASHINGTON NATIONAL MONUMENT, WASHINGTON, D. C.

CONCISE DESCRIPTION—DETAILS IN THE CONSTRUCTION.

FROM ANNUAL REPORTS OF

COL. THOS. LINCOLN CASEY,

Corps of Engineers, Engineer in Charge.

SITE.

The Monument is located adjacent to the Potomac river, on a Government reservation comprising $78\frac{1}{2}$ acres, and being public property, the view of the shaft entire will never be obstructed. The site is one marked on Major L'Enfant's map of Washington city for a proposed statute to Washington, which was voted to be erected by the Continental Congress in 1783, and which map was examined, *approved*, and transmitted to Congress by Washington when President. It was also the site for the monument to the heroes of the Revolution, which was proposed in the year 1795.

The Monument stands close to the intersection of the Jeffersonian meridian line of 1802, passing through the centre of the Executive Mansion, north and south, *with* a line running due east and west through the centre of the Capitol building; and had there been no recession of that part of the District of Columbia lying in Virginia, would have stood in about the centre.

The elevation of the ground on which the Monument stands is 26 feet above low tide-water in the Potomac river.

FOUNDATION.

The original foundation was of blue gneiss rock, in large blocks, as they came from the quarry, laid in lime mortar, (with a small portion of cement,) was 80 feet square at base, covering an area of 6,400 square feet, pyramidal in shape, having offsets or steps, and extended 7 feet 8 inches below ground and 15 feet 8 inches above ground.

Being enlarged and strengthened by Col. Thos. Lincoln Casey, Corps of Engineers, engineer in charge, the *present* foundation is 126 feet 6 inches square, covering an area of 16,002 square feet, "36 feet 10 inches in depth, "and "extends down to a level 6 inches below the permanent "level of water in the site on which the Monument is "located." This work consisted in "digging away 70 per "centum of the earth under the old foundation, and to a "depth of 13 feet 6 inches beneath it, and replacing this "earth with a mass of concrete extending 18 feet within the "outer edges of the old foundation and 23 feet 3 inches with- "out the same line. To distribute the pressure of the shaft "over this new foundation the *old* rubble stone base was "torn from under the walls of the shaft and replaced by a "concrete underpinning extending *out* on to the new con- "crete slab. In this work 51 per cent. of the cubical contents "of the old foundation was removed, and 48 per cent. of the "area of the shaft undermined."* In this last operation the corner-stone was exposed. The material employed in this work was Portland cement concrete (mixture of one part cement, two parts sand, three parts pebbles, four parts broken stone).

An 8" block, moulded June 25th, 1879, and *tested* October 17th, 1879, showed first crack at pressure of 105,000 lbs.; maximum pressure, fracturing it 122,000 lbs., or 1,906 $\frac{1}{4}$ lbs. per square inch.†

* Annual Report of Col. Casey, December, 1884.

† Annual Reports of Col. Casey.

SHAFT

Slightly over nine times the base, being 500 feet $5\frac{1}{2}$ inches high; base, 55 feet $1\frac{1}{2}$ inches square; top, 34 feet $5\frac{1}{2}$ inches; thickness of walls at *entrance*, 15 feet; at *top*, 18 inches; batter of walls outside, $.247\pm$ of an inch to one foot rise. The top of the *shaft* is $\frac{5}{8}$ ths the width of the base, and it would come to a *point* at a height $2\frac{2}{3}$ its present altitude.

Walls.—Facing of pure white marble, the new portion from the Beaver Dam quarry, Baltimore county, Md.

Interior Backing.—Rubble masonry for a height of 150 feet; above, dressed granite, from New England quarries, to height of 452 feet; remainder, to reference, 500 feet, marble through-and-through. “The courses are uniformly two feet “in rise, the blocks of a wider bed than their rise, and the “bond, the Flemish, alternate header and stretcher.” The marble, fine grained and durable, weighs $178\frac{1}{2}$ pounds to the cubic foot.

Interior Well of Shaft.—For first 150 feet, 25 feet square, receding *outward* for distance of 10 feet, between the levels 150 and 160, enlarges to 31 feet 6 inches square.

Ascent.—By means of iron stairway and steam elevator, supported by a construction of eight vertical Phoenix iron columns (four $6\frac{1}{2}$ and four $5\frac{1}{4}$ inches internal diameter) I beams, channels, and ties; four columns terminate at the height of 500 feet and four within the roof at 517 feet, which four sustain the elevator machinery above. The eight columns are arranged in concentric squares.

Stairway.—In alternate, short flights, strung along the north and south sides of the well, connecting with platforms, 4 feet 8 inches wide (to height of 150 feet), and 7 feet $10\frac{3}{4}$ inches wide, 20 feet apart on a side, and extending along the east and west walls, being 50 flights and 900 steps.

Elevator.—Capacity, 10 tons, with factor of safety of 15.

PYRAMIDION

Of marble, 55 feet in vertical height; of 262 separate pieces of stone, containing 3,764 cubic feet of dressed stock. The covering slabs are but 7 inches in thickness, and these rest upon projections or spurs upon the marble ribs. These ribs are twelve in number, three on each side of the well, springing from the interior face of the walls at the height of 479 feet. "They are then carried upward until the ribs nearest the angles of the shaft meet in the hips of the pyramidion, while those in the centre of each face are connected still higher up by voussoir stones, forming two arches, intersecting each other at right angles. The trust of a corner rib is transmitted to its opposite by the use of horizontal stones between their upper extremities." The keystone of the centre ribs is at the height of 529 feet. The weight of the pyramidion is 300 tons. Cap-stone weighed 3,300 lbs., crowned by a small right pyramid of pure aluminium $5.6 \pm$ inches at its base, $8.9 \pm$ inches high, weighing 100 ounces, being the *largest* piece of this metal ever cast in any country.*

Total height of Monument above *floor*, 555 feet $5\frac{1}{2}$ inches, or 597 feet 3 inches above mean low water in the Potomac, or 596 feet $9.36 \pm$ inches above the mean level of the Atlantic at Sandy Hook, N. Y.†

Number of Stones in the Shaft above 150 feet, 9,613.

Some 14,000 barrels of Portland cement used in new foundation and shaft.

Weight of foundation and earth upon it.....	36,912 tons.
" 150 feet of old portion of shaft.....	22,373 "
" new portion of shaft.....	21,260 "
" pyramidion	300 "
" iron frame	275 "

Total weight 81,120 "

Pressure of Masonry upon underlying soil "nowhere greater than nine tons per square foot, and less than three tons per square foot near the outer edges of the foundation."*

* Report of Col. Thos. L. Casey, engineer in charge, Dec., 1884.

† U. S. Coast and Geodetic Survey, December 1, 1884.

Settlement, since work was commenced to present date (Dec., 1884), about four inches. "The greatest difference, "nearly a half inch, between the southeast and northwest "corners, occurred during the introduction of the new "foundation, and aided materially in correcting the deviation of the shaft from a perpendicular."*

Lightning Rods are four in number, properly connected with the aluminium point, by a single copper rod passing upward through the cap-stone, and also to the tops of the four central iron columns in the shaft, the bottoms of these columns grounded through copper rods passing into a small well in the centre of the foundations.

VIEW.

Two port openings or windows are provided in each of the four faces of the pyramidion, or roof, 4 feet above the landing at level 500 feet, being on three sides 18 inches by 3 feet, and on the east 2 feet by 3 feet. The windows have swinging closures of marble to protect the interior from inclemency of weather.

LIGHTING.

The interior of the shaft is lit up by incandescent electric lights disposed through it at various heights.

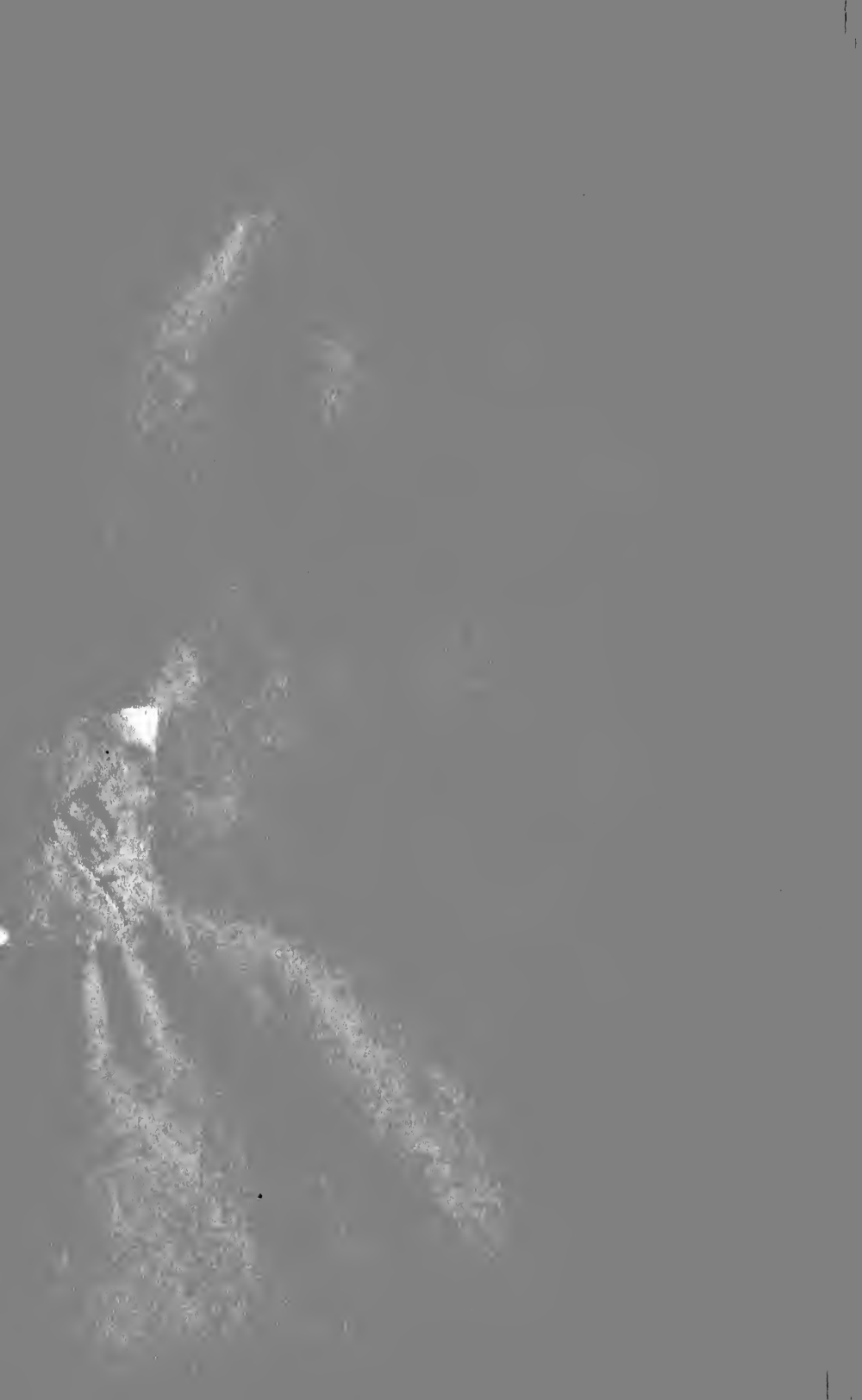
COST.

Amount raised by contributions from the people,	
and expended in rearing Monument to 156 feet.	\$300,000
Appropriated by Congress (August 2, 1876, to December, 1884)	900,000

*Report of Col. Thos. L. Casey, engineer in charge, Dec., 1884.



HOISTING THE CAP-STONE.
Dec. 3, 1884.





TOP OF MONUMENT.
Dec. 6, 1884.



INSCRIPTIONS

ON THE

FOUR FACES OF THE ALUMINIUM POINT CROWNING
APEX OF MONUMENT.

(NORTH FACE.)

JOINT COMMISSION
AT
SETTING OF CAP-STONE.

CHESTER A. ARTHUR.

W. W. CORCORAN, *Chairman.*

M. E. BELL.

EDWARD CLARK.

JOHN NEWTON.

Act of August 2nd, 1876.

(WEST FACE.)

CORNER-STONE LAID ON BED OF FOUNDATION
JULY 4, 1848.

FIRST STONE AT HEIGHT OF 152 FEET
LAID
AUGUST 7, 1880.

CAP-STONE SET DECEMBER 6, 1884.

(SOUTH FACE.)

CHIEF ENGINEER AND ARCHITECT,
THOS. LINCOLN CASEY,
COLONEL CORPS OF ENGINEERS.

Assistants:

GEORGE W. DAVIS,
CAPTAIN 14TH INFANTRY.

BERNARD R. GREEN,
CIVIL ENGINEER.

MASTER MECHANIC,
P. H. McLAUGHLIN.

(EAST FACE.)

LAUS DEO.

INSCRIPTION

ON

COPPER PLATE COVERING DEPOSIT-RECESS IN THE
CORNER-STONE OF MONUMENT.

4th JULY, 1776.

DECLARATION OF INDEPENDENCE OF THE UNITED STATES OF AMERICA.

4th JULY, 1848.

THIS CORNER-STONE LAID OF A MONUMENT,
BY THE PEOPLE OF THE UNITED STATES, TO THE
MEMORY OF GEORGE WASHINGTON.

JAMES K. POLK,

*President of the United States and Ex-officio President of the Board of
Managers.*

WILLIAM BRENT, *1st Vice-President.*

WILLIAM W. SEATON, *Mayor of Washington, 2nd Vice-President.*

GEN'L A. HENDERSON, *3d Vice-President.*

J. B. H. SMITH, *Treasurer.*

GEORGE WATTERSTON, *Secretary.*

BOARD OF MANAGERS.

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COL. J. KEARNEY.	THOMAS MUNROE.
GEN'L WALTER JONES.	WALTER LENOX.
THOMAS CARBERRY.	M. F. MAURY.

THOMAS BLAGDEN.

ELISHA WHITTLESEY, *General Agent.*

BUILDING COMMITTEE.

THOMAS CARBERRY.	GEORGE WATTERSTON.
WILLIAM A. BRADLEY.	COL. J. J. ABERT.

COMMITTEE OF ARRANGEMENTS.

GEN'L. A. HENDERSON. WALTER LENOX. LIEUT. M. F. MAURY.
JOSEPH H. BRADLEY, *Chief Marshal.*
ROBERT MILLS, *Architect.*

ARTICLES DEPOSITED

IN

RECESS IN THE CORNER-STONE OF THE MONUMENT

ON JULY 4, 1848.

Historical sketch of the Washington National Monument Society, since its origin, in MS.

Copy of the grant for the site of the Monument under the joint resolution of Congress.

Constitutions of the Washington National Monument Society, addresses, circulars, commissions, instructions, form of bond, from 1835 to 1848.

Large design of the Washington National Monument, with the *fac-simile* of the names of the Presidents of the United States and others. Lithographed.

Large design of the Washington National Monument. Lithographed.

Portrait of Washington, from Stuart's painting, Faneuil Hall.

Small design of Monument and likeness of Washington, with blank certificates for contributors.

Constitution of the United States and Declaration of Independence; presented by Mr. Hickey.

American Constitutions; by W. Patton.

Plate engraved with the names of the officers and members of the Board of Managers.

Watterston's New Guide to Washington; by G. Watterston.

Map of the city of Washington; by Joseph Ratcliff.

Laws of the Corporation of Washington; by A. Rothwell.

Statistics by John Sessford of the number of dwellings, value of improvements, assessments of the real and personal tax, &c., in the city of Washington, from 1824 to 1848, print and manuscript; by John Sessford.

J. B. Varnum, Jr., on the Seat of Government; by J. B. Varnum, Jr.

The Statesman's Manual, containing Presidents' Messages from Washington to Polk, from 1789 to 1846, vols. 1 and 2.

The Blue Book for 1847; Congressional Directory; by J. & G. S. Gideon.

Message of the President of the United States and accompanying documents, 1847.

Morse's North American Atlas.

Appleton's Railroad and Steamboat Companion.

True Republican; the likenesses of all the Presidents to 1846, and inaugural addresses; by G. Templeman.

Copies of the Union Magazine, National Magazine, Godey's Lady's Book, Graham's Magazine, and Columbian Magazine, for July, 1848; by Brooke & Shillington.

African Repository and Colonial Journal, 1848.

Thirty-first Annual Report of the American Colonization Society.

Coast Survey Document; Army Register for 1848.

Navy Register, 1848; by C. Alexander.

Military Laws of the United States, 1846; by G. Templeman.

Vail's Description of the Magnetic Telegraph; by A. Vail.

Daguerreotype likenesses of General and Mrs. Mary Washington, with a description of the Daguerreotype process; by John S. Grubb, Alexandria, Va.

Silver Medal representing Gen. Washington and the National Monument; by Jacob Seegar.

Report of the Joint Committee on the Library May 4, 1848, and an engraving; by M. Vattermare.

Constitution of the Smithsonian Association, on the Island, instituted November 9, 1847.

Smithsonian Institution—Report of the Commissioners on its organization; Reports from the Board of Regents; by W. W. Seaton.

The Washington Monument—shall it be built? by J. S. Lyon.

Harpers' Illustrated Catalogue; by S. Colman.

Guide to the Capitol, by R. Mills; by R. Mills.

Abstract log for the use of American Navigators, by Lieut. M. F. Maury, U. S. N.; by M. F. Maury.

American State Papers, 1832; National Intelligencer for 1846 (bound); by Gales & Seaton.

American Archives, a Documentary History of the American Colonies to the present time, fourth series, vol. 5; by Peter Force.

An American dollar; by Miss Sarah Smith, Stafford, N. J.

Holy Bible, presented by the Bible Society, instituted 1816.

Report of Prof. Bache, Superintendent of the Coast Survey; by Coast Survey Office.

Annual Report of the Comptroller of the State of New York, January 5, 1848; Tolls, Trade, and Tonnage of the New York Canals, 1847; State of New York—first report of the Commissioner, Practice and Pleadings; by Hon. Washington Hunt.

Report of the Commissioner of Patents, 1847; by Edmund Burke.

Fac-simile of Washington's Accounts; by Michael Nourse.

United States Fiscal Department, vols. 1 and 2; by R. Mayo, M. D.

Specimens of Continental Money, 1776; by Thos. Adams.

Walton's Vermont Register and Farmers' Almanac, 1848; by Hon. Mr. Henry.

Maps and Charts of the Coast Survey; by Survey Office.

Maury's Wind and Current Charts of the North Atlantic; by M. F. Maury.

Casts from the seals of the S. of T. and I. O. R. M.; by J. W. Eckloff.

A cent of 1783 of the United States of America; by W. G. Paine.

Claypole's American Daily Advertiser, December 25, 1799, and the Philadelphia Gazette, December 27, 1799, containing a full account of the death and funeral ceremony of Gen. Washington, the official proceedings of Congress, Executive, &c.; by G. M. Grouard.

Publication No. 1, Boston, 1833.

Letters of John Quincy Adams to W. L. Stone, and introduction; letters of J. Q. Adams to Edward Livingston, Grand High Priest, &c.; Vindication of General Washington, &c., by Joseph Ritner, Governor of Pennsylvania, with a letter to Daniel Webster, and his reply, printed in 1841; American Antimason, No. 1, vol. 1, Hartford, Connecticut, 1839, Maine Free Press; Correspondence Committee of York, Pennsylvania, to Richard Rush, April 1831; his answer, May 4, 1841; Credentials of a Delegate from Jefferson county, Missouri, and proceedings of a meeting of citizens to make the appointment of a delegate; by Henry Gassitt, Boston, Massachusetts.

Astronomical Observations for 1845, made under M. F. Maury, at the Washington Observatory; by M. F. Maury.

Journals of the Senate and House of Representatives of the 30th Congress and documents; by R. P. Anderson.

Census of the United States, 1840; Force's Guide to Washington and vicinity, 1848; by W. Q. Force.

Memior of a Tour to Northern Mexico, 1846-'47; by R. P. Anderson.

Report on the organization of the Smithsonian Institution; by Prof. Henry.

A list of the Judges of the Supreme Court of the United States, its Officers, with the dates of their respective appointments; by W. J. Carroll, Clerk Supreme Court of the United States.

Drake's Poems; Catalogue of the Library of Congress, printed 1839; Catalogue from 1840 to 1847, both inclusive; by Joint Committee on the Library of Congress.

Census of the United States from 1790 to 1848, inclusive.

Proceedings of the General Society of the Cincinnati, with the original institution of the order and *fac-simile* of the signatures of the original members of the State Society of Pennsylvania; by Charles L. Coltman.

Constitution and General Laws of the Great Council of the Improved Order of Red Men of the District of Columbia.

By-Laws of Powhatan Tribe, No. 1, and General Laws of the Great Council of the same Order.

The Temple of Liberty, two copies, one ornamented and lettered with red. The letters are so arranged in each that the name of Washington may be spelled more than one thousand times in connection; by John Kilbourn.

American Silk Flag; presented by Joseph K. Boyd, citizen of Washington, District of Columbia, on the 4th of July 1848.

Design of the Monument, small plate, produced by a process called electrotype; by Chas. Fenderich, Washington.

A copy of the Constitution of the first organized Temperance Society in America; by L. H. Sprague, July 4, 1848.

Sons of Temperance in the District of Columbia.

Coat of Arms of the Washington family; by Mrs. Jane Charlotte Washington, July 4, 1848.

All the coins of the United States, from the eagle to the half-dime, inclusive.

NEWSPAPERS.

MASSACHUSETTS.

Worcester Palladium.....	Worcester.
Salem Oracle.....	Salem.
The Telegraph.....	Gloucester.
Cape Ann Light.....	"
Boston Daily Atlas.....	Boston.

CONNECTICUT.

New England Weekly Gazette.....	Hartford.
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NEW YORK.

Irving Democrat.....	Irving.
Long Island Farmer.....	Jamaica.
Cayuga New Era.....	Auburn.
Troy Daily Post.....	Troy.
Troy Daily Whig.....	Troy.
Journal and Advertiser.....	Auburn.
Auburn Daily Advertiser.....	"
Star of Temperance.....	"
New York Day Book.....	New York.
Mercantile Times.....	"
Northern Christian Advocate.....	Auburn.
New York Daily Sun.....	New York.
New York Weekly Sun.....	"

PENNSYLVANIA.

American Democrat.....	Carlisle.
Pennsylvania Democrat.....	Uniontown.
Lycoming Gazette.....	Williamsport.
American Press Republican.....	Lancaster.
Daily Morning Post.....	Pittsburg.
Lancaster County Farmer.....	Lancaster.
Bradford Argus.....	Towanda.
Pittsburg Daily Gazette.....	Pittsburg.
Daily Morning Telegraph.....	"
Pennsylvania Republican.....	York.
North American U. S. Gazette.....	Philadelphia.
Public Ledger.....	"

MARYLAND.

Somerset Herald.....	Somerset.
Der Somerset Republican.....	"
Marlboro Gazette.....	Upper Marlboro.
Baltimore Daily Sun.....	Baltimore.
Baltimore American.....	"

VIRGINIA.

Spirit of Jefferson.....	Charlestown.
Valley Whig.....	Fincastle.
Martinsburg Gazette.....	Martinsburg.
Weston Sentinel.....	Weston.

NORTH CAROLINA.

North Carolinian Fayetteville.
 Old North State Elizabeth City.

GEORGIA.

Federal Union Milledgeville.
 Southern Recorder "

ALABAMA.

Mobile Register and Journal Mobile.
 Mobile Daily Advertiser "
 Alabama Tribune "
 Hannibal Journal Hannibal.

MISSISSIPPI.

Weekly Jacksonian Holly Springs.
 Vicksburg Weekly Whig Vicksburg.
 Mississippi Telegraph Louisville.

OHIO.

Daily Cincinnati Gazette Cincinnati.
 Western Reserve Chronicle Warren.
 Greenville Banner Greenville.
 Buckeye Eagle Marion.
 Defiance Democrat Defiance.
 Democratic Herald Greenville.
 Claremont Courier Batavia.
 Massillon Telegraph Massillon.
 Mahoning Index Canfield.
 Troy Weekly Times Troy.
 Daily Cleveland Times Cleveland.
 Cleveland Plain Dealer "
 Democratic Inquirer Portsmouth.

KENTUCKY.

Western Citizen Paris.
 Kentucky Flag Mazeville.

FLORIDA.

Quincy Times Quincy.

DISTRICT OF COLUMBIA.

National Intelligencer Washington.
 Union "
 National Era "
 Saturday Evening News "

NOTE.—The papers above all contained articles relative to General Washington, or the erection of the (then) proposed National Monument to his memory.

LIST OF BLOCKS

Contributed for Insertion in the Interior Walls of the Monument.

Maine.
New Hampshire.
Vermont.
Massachusetts.
Connecticut.
Rhode Island.
New York.
Pennsylvania.
New Jersey.
Delaware.
Maryland.
Virginia.
West Virginia.

North Carolina.
South Carolina.
Georgia.
Florida.
Alabama.
Mississippi.
Louisiana.
Texas.
Arkansas.
Tennessee.
Missouri.
Kentucky.
Ohio.
Indiana.

Illinois.
Michigan.
Iowa.
Wisconsin.
Minnesota.
Kansas.
Nebraska.
Wyoming.
Dakota.
Montana.
Utah.
Nevada.
California.

Turkey.
Greece.
Japan.
China.

Siam.
Brazil.
Paros and Naxos, in Gre-
cian Archipelago.

Bremen.
Switzerland.
Cherokee Nation.

CITIES AND TOWNS.

New York City.
Philadelphia, Pa.
Warren, R. I.
Boston, Mass.
Baltimore, Md.

Washington City.
Alexandria, Va.
Frederick, Md.
Charlestown, Mass.
Little Rock, Ark.
Durham, N. H.

New Bedford, Mass.
Lowell, Mass.
Nashville, Tenn.
Newark, N. J.
Salem, Mass.

A. F. AND A. M.

Patmos Lodge, Md.
Grand Lodge of Maryland.
" " Ohio.
" " Mississippi.
" " Kentucky.
" " New York.
" " Virginia.
" " Alabama.

Grand Lodge of Florida.
" " Pennsylvania.
" " Arkansas.
" " Georgia.
" " District of Columbia.
Roxbury Lodge, Mass.
St. John's Lodge, Richmond, Va.

I. O. O. F.

Grand Lodge of Massachusetts.
" " Mississippi.
" " Kentucky.
" " Indiana.
" " Iowa.
" " Virginia.
" " New Jersey.

Grand Lodge of United States.
" " Maryland.
Philadelphia, Penna.
Eureka Lodge 117, of New York city.
Troy, New York.
Germantown, Penna.

TRANSLATIONS

OF

INSCRIPTIONS ON FOREIGN BLOCKS.

TURKEY.

"So as to strengthen the friendship between the two countries, Abdul-Majid Kahn has also had his name written on the Monument to Washington."

These words form a chronogram—"1269-1779 of the Hegira." Above the inscription is a monogram signifying "Abdul-Majid, son of Mahomet Kahn." Upon a lower corner, "Written by the court poet, Mustapha Izyt."

Block is of white marble, highly polished, and ornamental.

BREMEN.

"Washington dem Grossen und Gerechten das befreundete Bremen."

(Friendly Bremen to the great and good Washington.)

JAPAN.

"Exported from the harbor of Simoda, in the Province of Isu, the fifth month of the year Ansey Tora." [April, 1853.]

GREECE.

Block of white marble from ruins of the Parthenon :

"George Washington, the hero, the citizen of the new and illustrious liberty : The land of Solon, Themistocles, and Pericles—the mother of ancient liberty—sends this ancient stone as a testimony of honor and admiration from the Parthenon."

CHINA.

“Su-Ki-Yu, by imperial appointment, Lieut. Governor of the Province of Fuh Kun, in his Universal Geography, says: ‘It is evident that Washington was a remarkable man. In devising plans, he was more decided than Chin-Shing or Wu-Kwang;* in winning a country, he was braver than Tsau-Tsau or Lin Pi.† Wielding his four-footed falchion, he extended the frontiers thousands of miles, and then refused to usurp the regal dignity, or transmit it to his posterity, but first established rules for an elective administration. Where in the world can be found such a public spirit! Truly, the sentiments of the three dynasties have all at once unexpectedly appeared in our day! In ruling the State, he promoted and fostered good customs, and did not depend on military merit. In this he differed from all other nations. I have seen his portrait; his air and form are grand and imposing in a remarkable degree. Ah! who would not call him a hero?

‘The United States of America regard it promotive of national virtue generally and extensively neither to establish titles of nobility and royalty nor to conform to the age, as respects customs and public influence, but instead deliver over their own public deliberations and inventions, so that the like of such a nation—one so remarkable—does not exist in ancient or modern times. Among the people of the Great West, can any man, in ancient or modern times, fail to pronounce Washington peerless?’

“This stone is presented by a company of Christians, and engraved at Ningpo, in the Province of Che Heang, China, this third year of the reign of the Emperor Heên Fung, sixth month and seventh day.” [July 12, 1853.]

* Chin Shing and Wu-Kwang, two Chinese patriots, who commenced the overthrow of the Tsin dynasty (B. C. 209), remarkable for their vigor of character.

† Tsau-Tsau destroyed the Han dynasty A. D. 220, and Lin Pi, having survived all his own efforts to uphold it, founded the Shuh State, which had a short duration.

LIST OF MEMBERS

OF

The Washington National Monument Society.

1853 to 1885

Chief Justice JOHN MARSHALL.	JAMES M. CARLISLE.
ROGER C. WEIGHTMAN.	Dr. JOHN B. BLAKE.
Commodore JOHN ROGERS.	Dr. WILLIAM JONES.
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GEORGE BOMFORD.	Dr. JAMES C. HALL.
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SAMUEL H. SMITH.	JAMES DUNLOP.
JOHN McCLELLAND.	Gen'l U. S. GRANT.
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B. OGLE TAYLOE.	JOHN C. HARKNESS.
THOMAS BLAGDEN.	HORATIO KING.
JOHN CARROLL BRENT.	DAN'L B. CLARKE.
JAMES KEARNEY.	GEORGE W. McCARY.
ELISHA WHITTLESEY.	JOSEPH M. TONER.
W. W. SEATON.	JAMES C. WELLING.
J. BAYARD H. SMITH.	GEORGE BANCROFT.
W. W. CORCORAN.	Rr. Admiral C. R. P. RODGERS.
JOHN P. INGLE.	

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ELISHA WHITTLESEY	-	-	-	-	1848.
Lieut. J. C. IVES	-	-	-	-	1859 to 1860.
JOHN S. BENSON	-	-	-	-	1870.
F. L. HARVEY	-	-	-	-	1874 to 1876.

LIST OF MEMBERS

OF THE

Joint Commission, Completion of the Washington Monument.

ACT OF AUGUST 2, 1876.

Presidents.

ULYSSES S. GRANT.

JAS. A. GARFIELD.

R. B. HAYES.

CHESTER A. ARTHUR.

Chiefs of Corps of Engineers, U. S. A.

Brig. Gen'l A. A. HUMPHREYS.

Brig. Gen'l HORATIO WRIGHT.

Brig. Gen'l JOHN NEWTON.

Architect of the Capitol, EDWARD CLARK.

Architects of the Treasury.

JAS. G. HILL.

JOHN FRASER, Acting.

M. E. BELL.

First Vice-President of Washington National Monument Society.

W. W. CORCORAN.

Engineer Office, Washington Monument.

Engineer in Charge, Col. THOS. LINCOLN CASEY, Corps of Engineers.

Assistant: Capt. GEO. W. DAVIS, 14th Infantry, U. S. A.

Master Mechanic, P. H. McLAUGHLIN.

Chief Clerk, JAMES B. DUTTON.

Draftsman, GUSTAV FRIEBUS.

Clerks, F. L. HARVEY, Jr., GEORGE M. THOMAS.

Messenger, JOHN T. CROWLEY.

COMPARATIVE HEIGHTS

OF THE MOST

Remarkable Buildings and Structures in the World,

PAST AND PRESENT.

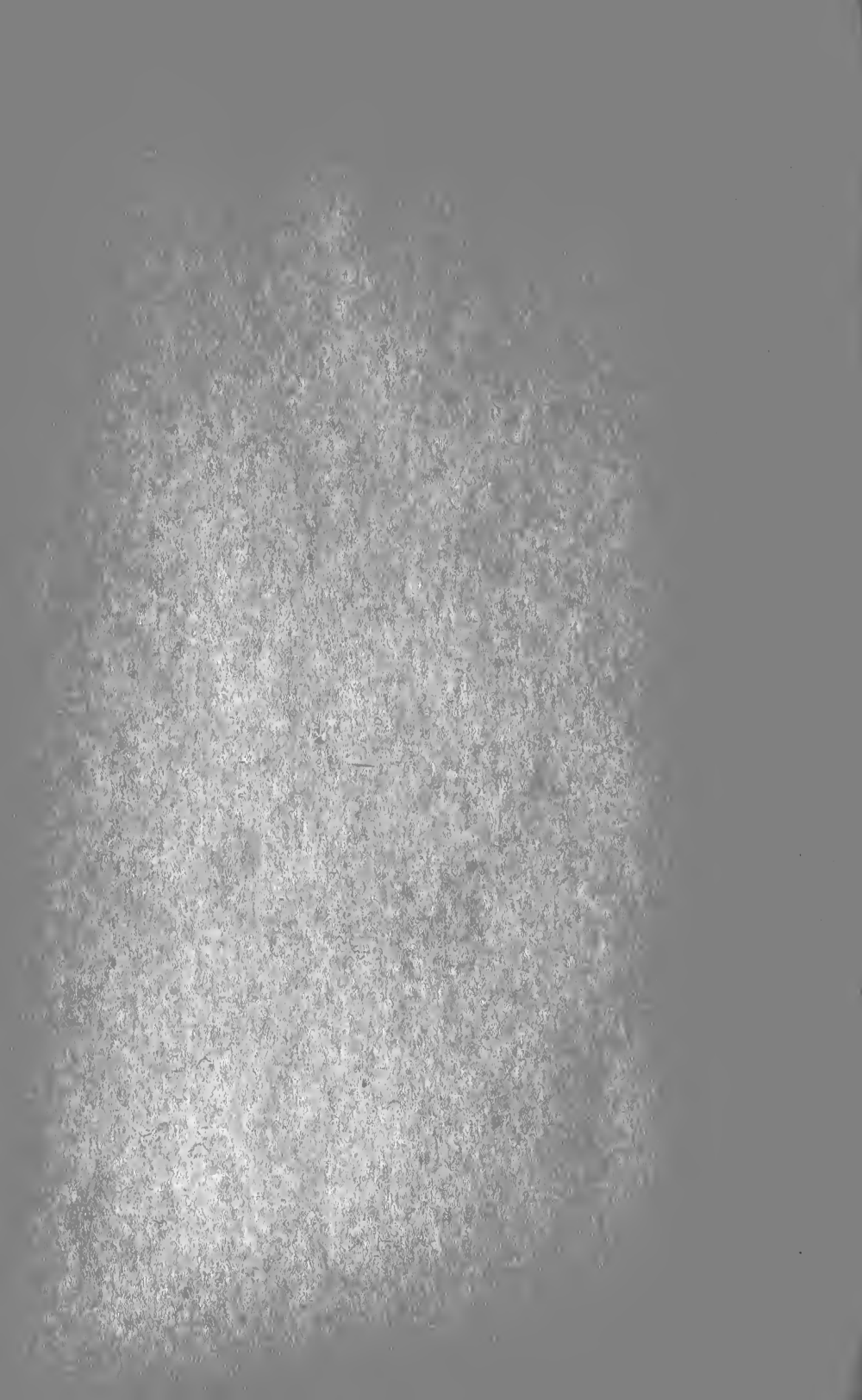
	<i>Feet.</i>	<i>Inches.</i>
Washington National Monument, Washington, D. C., from floor of shaft to apex	555	5½
Topmost point above mean low tide in Potomac river, 597 feet 3 inches; or, above mean level of Atlantic, Sandy Hook, N. Y., 596 ft. 9.36± in.		
Dome of New Municipal Buildings, Philadelphia, Pennsylvania, from curb line to top of statue of Wm. Penn	537	4
Spires of Cologne Cathedral, commenced 1248, from pavement of street	524	11+
From pavement of church	515	1
Spire of Old St. Paul's, London, destroyed by lightning 1561	508	
Pyramid of Cheops (base 764 ft. sq.)	480	
St. Nicholas Cathedral, Hamburg	473	
Strasburg Cathedral, finished 1439	468	
Spire, Landshut, Germany	465	
Notre Dame, Rouen	465	
St. Peter's, Rome—commenced 1513, completed 1614—to top of cross	457	
Stack, (brick,) Townshend's, Glasgow, Scotland	454	
Pyramid of Chepheren, (base 707 ft. sq.)	454	
St. Stephen's at Vienna	449	
Stack at Glasgow, Scotland, (Tennant's,) St. Rollox, from surface to cope	435	6
St. Michael's Cathedral, Hamburg	428	
Cathedral of Amiens, Central Spire	422	
Saulsbury Spire, (A. D. 1350)	404	
S.W. Spire of Chartres, finished 1330	403	
Antwerp Cathedral, commenced 1422, finished 1518	402	
Lubeck Cathedral	395	
Spire of Friburg in the Brisgau, finished 1330	383	
Amicus Cathedral	383	
Church of St. Peter, Hamburg	380	
St. Maria, Florence, commenced 1229, dome finished 1444	376	
Hotel de Ville, Brussels, (A. D. 1455)	374	
Torre Asinelli, Bologna	370	
St. Paul's, London, commenced 1675, finished 1710	365	
Dome of Capitol, Springfield, Illinois, U. S.	364	
Milan Cathedral	355	
Florence Cathedral	352	
Utrecht Cathedral	338	
	(31)	

	<i>Feet.</i>	<i>Inches.</i>
Church of St. Isaac, St. Petersburg	336	
Stack, Chemical Works, Barmen, Prussia, (excluding foundation, 14 feet)	331	
Stack, Cast-Steel Works, Bochum, Prussia	330	
Tower of St. Mark's, Venice, commenced 902, finished 16th Century	330	
Spires, St. Patrick's Cathedral, New York city	330	
Cathedral Tower at Frankfort, Germany	326	
Stack, Gas Works, Edinburgh, Scotland, from surface of ground to cope	325	
Victoria Tower, Westminster	325	
Campanile, Venice	322	
"Liberty Lighting the World," New York harbor, base 52' 10", pedestal 114', statue 151'	317	10
Lincoln Cathedral	300	
Giotta's Campanile, Florence	292	
United States Capitol, Washington, D. C., from granite base line, East front, to crown of statue	285	5 ⁷ / ₁₆
From low tide level, Potomac river	375 ³¹³ / ₁₆	
From curb Pennsylvania avenue and First st. west	360 ⁵¹ / ₁₆	
Trinity Church Spire, New York city, above street pavement	284	
Boston Church Tower, Lincolnshire	282	
Mosque, Sultan Hassan, Cairo	282	
Stack, Dye Works, Hague, Prussia	274	
St. Genevieve, Paris, A. D. 1780, to ball above dome	274	
Leaning Tower, Bologna	272	
Building Western Union Telegraph Company, New York city, to platform top of tower	220	
Tower, Masonic Temple, Philadelphia, Pennsylvania	230	
English Cathedral, Montréal	224	
Notre Dame, Paris	224	
Stack, Pontasser's Chemical Works, England	221	
Bunker Hill Monument, Boston, Massachusetts	221	
Dome of St. Peter's and St. Paul's, Philadelphia, Penna.	210	
Crown of Dome, Federal buildings, New York city	210	
Spire, St. Paul's M. E. Church, New York city, U. S.	210	
Spire, Bow Church, London	210	
Spire, St. Paul's, Broadway, New York city	203	
Monument of London, commemorative of fire, 1666	202	
West front York Cathedral, built 1500	200	
St. Nicholas, New Castle, England	193	
Pisa Leaning Tower	179	
Alexandrian Column, St. Petersburg	175	6
Stack, Alois Iron Works, France	175	
Stack, Hepburn's tannery, on Tyne, England	173	
Nelson Column, London	171	
Coliseum at Rome, A. D. 79; length, 620 feet; width, 513 feet, oval plan, covering six acres	155	
Vendome Column, Paris	137	
Column of Trajan	134	
Egyptian Obelisk, Central Park, New York city	76	
Propylon of Luxor	75	

THESE ELEVATIONS ARE OBTAINED FROM RELIABLE SOURCES.

~~7/8~~
EN

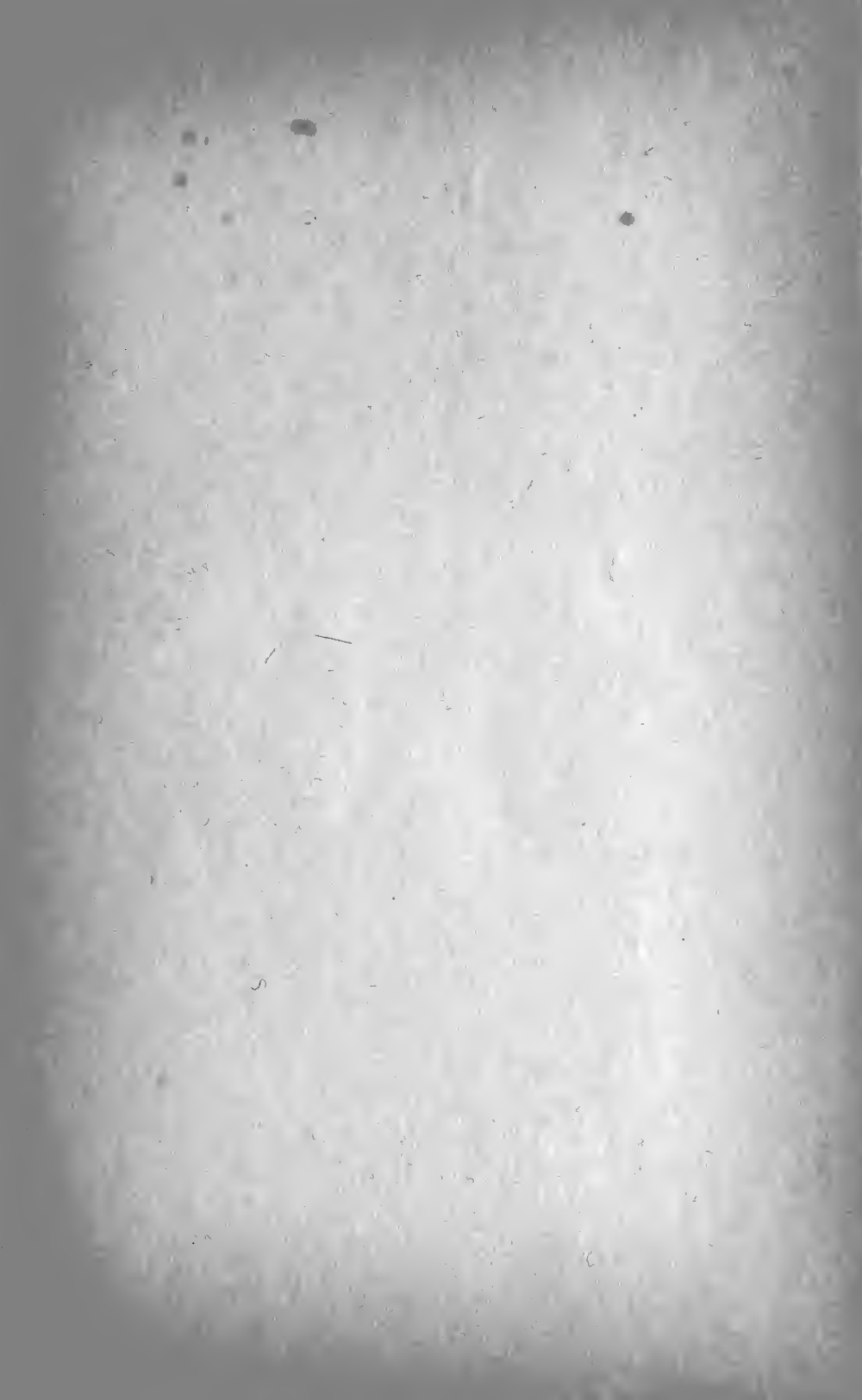








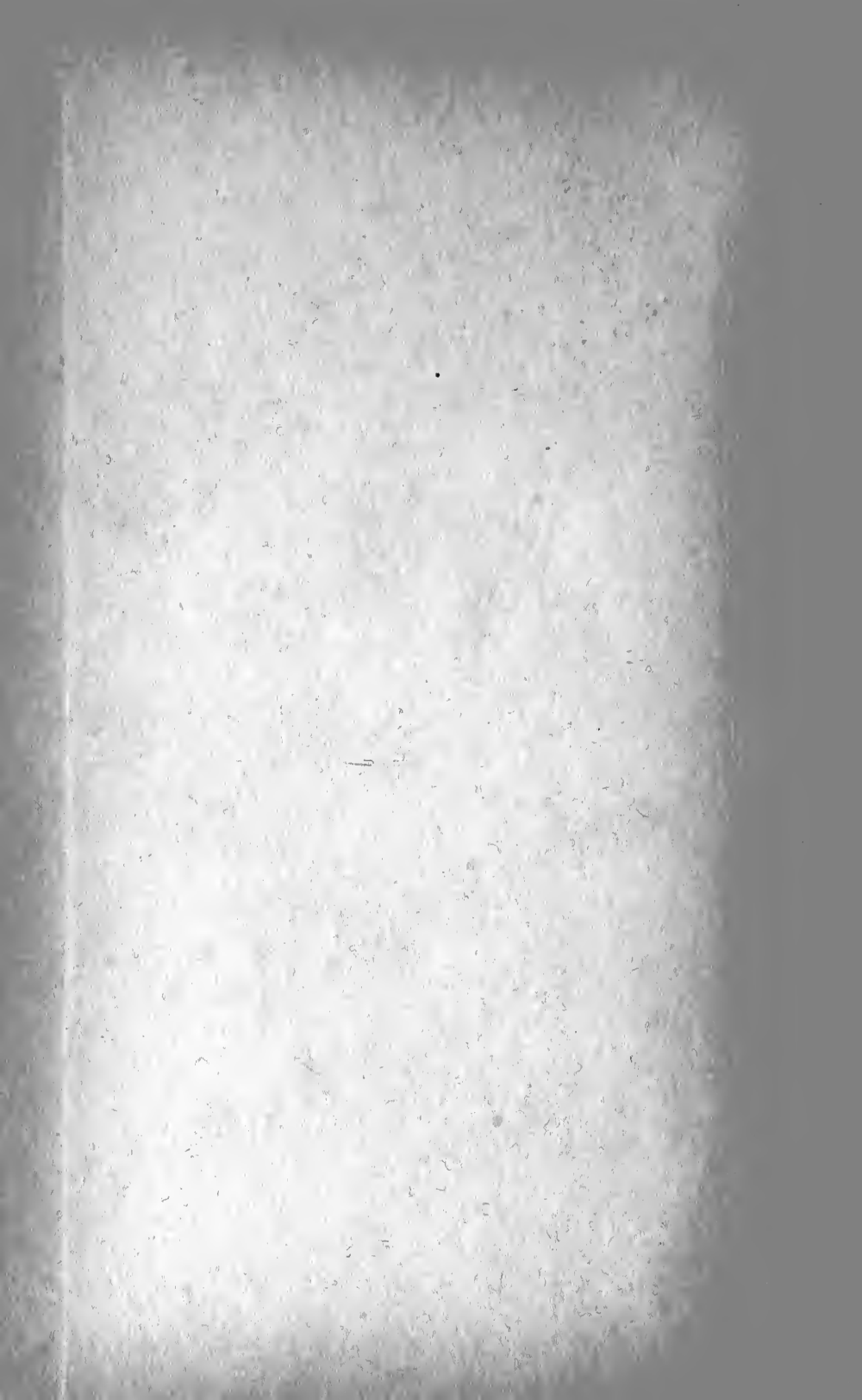














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